

10/5/9/89

From the INTERNATIONAL BUREAU

**PCT**

NOTIFICATION OF TRANSMITTAL  
OF COPIES OF TRANSLATION  
OF THE INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT  
(PCT Rule 72.2)

To:

**Rec'd PCT/PTO 6 SEP 2005**

MIYAMOTO, Harumi  
Hougaku Bldg. 7F  
19-14, Toranomon 1-chome  
Minato-ku, Tokyo 105-0001  
JAPON

|  |   |
|--|---|
| Date of mailing (day/month/year)<br>27 January 2005 (27.01.2005) |   |
| Applicant's or agent's file reference<br>RDC52M/PCT              | IMPORTANT NOTIFICATION  |
| International application No.<br>PCT/JP2003/007929               | International filing date (day/month/year)<br>23 June 2003 (23.06.2003) |
| Applicant<br>JAPAN SCIENCE AND TECHNOLOGY AGENCY et al           |   |

1. Transmittal of the translation to the applicant.

The International Bureau transmits herewith a copy of the English translation made by the International Bureau of the international preliminary examination report established by the International Preliminary Examining Authority.

2. Transmittal of the copy of the translation to the elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following elected Offices requiring such translation:

EP

The following elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

US

3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report.

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

The International Bureau of WIPO  
34, chemin des Colombettes  
1211 Geneva 20, Switzerland

Authorized officer

Yoshiko Kuwahara

Facsimile No.+41 22 740 14 35

Facsimile No.+41 22 338 90 90

**Translation**

PATENT COOPERATION TREATY

PCT/JP2003/007929



**PCT**

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

|  |   |  |  |
|--|---|--|--|
| Applicant's or agent's file reference<br>RDC52M/PCT  |   | FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416) |  |
| International application No.<br>PCT/JP2003/007929   | International filing date (day/month/year)<br>23 June 2003 (23.06.2003) | Priority date (day/month/year)<br>05 July 2002 (05.07.2002)  |  |
| International Patent Classification (IPC) or national classification and IPC<br>C23C 24/00, G01N 21/65 |   |  |  |
| Applicant<br>JAPAN SCIENCE AND TECHNOLOGY AGENCY   |   |  |  |

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.

2. This REPORT consists of a total of 3 sheets, including this cover sheet.

☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of 9 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

|   |  |
|---|--|
| Date of submission of the demand<br>10 November 2003 (10.11.2003) | Date of completion of this report<br>03 June 2004 (03.06.2004) |
| Name and mailing address of the IPEA/JP                           | Authorized officer   |
| Facsimile No.   | Telephone No.  |

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP2003/007929

## I. Basis of the report

## 1. With regard to the elements of the international application:\*

- ☐ the international application as originally filed
- ☒ the description:  
pages 1-2,8,11,13-16, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages 3-7,9,10,12, filed with the letter of 13 May 2004 (13.05.2004)
- ☒ the claims:  
pages 2-16, as originally filed  
pages \_\_\_\_\_, as amended (together with any statement under Article 19  
pages \_\_\_\_\_, filed with the demand  
pages 1, filed with the letter of 13 May 2004 (13.05.2004)
- ☒ the drawings:  
pages 1-4, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_
- ☐ the sequence listing part of the description:  
pages \_\_\_\_\_, as originally filed  
pages \_\_\_\_\_, filed with the demand  
pages \_\_\_\_\_, filed with the letter of \_\_\_\_\_

## 2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language \_\_\_\_\_ which is:

- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

## 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. ☐ The amendments have resulted in the cancellation of:

- ☐ the description, pages \_\_\_\_\_
- ☐ the claims, Nos. \_\_\_\_\_
- ☐ the drawings, sheets/fig \_\_\_\_\_

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability  
citations and explanations supporting such statement

## 1. Statement

|                               |        |      |     |
|-------------------------------|--------|------|-----|
| Novelty (N)                   | Claims | 1-16 | YES |
|                               | Claims |      | NO  |
| Inventive step (IS)           | Claims | 1-16 | YES |
|                               | Claims |      | NO  |
| Industrial applicability (IA) | Claims | 1-16 | YES |
|                               | Claims |      | NO  |

## 2. Citations and explanations

The documents cited in the ISR do not describe a method of attaching metal fine particles by irradiation with a high energy beam that includes a step of replacing a part of metal fine particles stabilized by a dispersion stabilizer desorbed when irradiated with an electromagnetic wave of high energy and/or high energy density with a dispersant desorbed from the surfaces of the metal fine particles when irradiated with an electromagnetic wave of a lower energy and/or a lower energy density and/or a compound having no bindability to the metal fine particles so as to prepare a colloid solution of the metal fine particles, desorbing part of the aforesaid dispersion stabilizer on the surface of the metal fine particles by irradiating the aforesaid prepared colloid solution with an electromagnetic wave of high energy and/or high energy density, irradiating the metal fine particle dispersion solution having activated photosensitivity to the extent that causes the particle size of metal fine particles stabilized by the aforesaid dispersion stabilizer to agglomerate to about 2~100 times the original particle diameter with an electromagnetic wave of high energy and/or high energy density, irradiating the metal fine particles dispersion solution having the aforesaid activated and increased photosensitivity with an electromagnetic wave of a lower energy and/or a lower energy density, and fixing the aforesaid metal fine particles to a desired fine structure corresponding to the irradiation with the electromagnetic wave of the lower energy and/or the lower energy density on the surface of the base. Moreover, this is not obvious to a person skilled in the art.